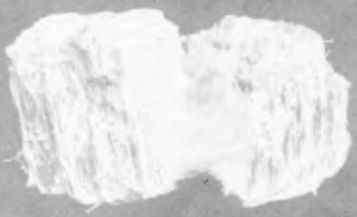
ASBESTOS



Published at
1701 Winter Street
Philadelphia, U.S.A.

JUNE 1930

AMERICAN ASBESTOS COMPANY

Manufacturers of
Asbestos Textiles

NORRISTOWN, PA., U. S. A.

Headquarters for Yarns, Cloth, Tapes, Fibres, Brake Linings and Textiles Generally

WRITE FOR PRESENT PRICES

... ASBESTOS ...

A MONTHLY MARKET JOURNAL
DEVOTED TO THE INTERESTS OF THE
ASBESTOS AND MAGNESIA INDUSTRIES

A. S. ROSSITER - - EDITOR

PUBLISHED BY SECRETARIAL SERVICE

1701 Winter Street
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C. J. STOVER, Owner

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Top left: Paakeila Asbestos Mine.
Bottom left: Foreman's House.
Top right: Grinding Plant.
Bottom right: Close up view of mine.
Finska Mineral Aktiebolaget, Helsingfors, Finland.

Finland Makes the Most of Its Asbestos Opportunities

Most of our readers, we imagine, have a very hazy idea of the country of Finland, and many possibly do not know that Finland contains an asbestos mine and a quite progressive asbestos manufacturing firm.

Finland lies between 60 and 70° northern latitude and is in the Eastern part of Scandinavia. It is heavily wooded, more than half of it consisting of forests, principally pine, firwood and some birch, and there are several thousand lakes dotted over the country. The country is very hilly.

Finland's chief exports are timber, wood pulp and paper, it being one of Europe's biggest manufacturers of these materials.

Winter in Finland is long, the temperature often below 30° below zero C. (equal to 22 below zero Fahrenheit.) Summer is of short duration but very pleasant, the temperature being plus 20°C. (about 68° F.)

There is plenty of snow during the winter months, often 1 meter (39.37 inches) deep.

The asbestos mine, owned by Finska Mineral Aktiebolaget, at Helsingfors, is located in the north of Finland on the border line of the countries of Savolax and Carelia, on the Northern side of Saima Water (see photograph). The asbestos is of the actinolite variety, and while the crude stone contains much fibre (a 30% yield) it is weak in structure. Its acid and fireproof qualities, however, makes it suitable for various purposes and the owners, who also have their own asbestos factories, have developed it intensively.

Primitive man used the asbestos from this mine for stove bricks and, in ground condition, for earthen vessels. Finska Mineral Aktiebolaget was founded in 1917, its objective being the development of different minerals in Finland. Besides asbestos, the firm owns deposits of pyrites, felspar, quartz and kieselguhr. Work at the asbestos mine

was commenced in 1918 and the crude stone exported to Germany where it was ground. After the war a small plant for grinding the asbestos was erected at the mine, and this has since been enlarged to meet requirements.

The asbestos is used particularly for the manufacture of Asbestos Millboard, Asbestos Wood, insulation substances, roofing felt, floor substance, acid proof mortar and the production of roofing and wall slates.

Lake steamer route over Saima Waters, near asbestos mine.

In 1924 the firm established an asbestos and rubber factory at Helsingfors, and this factory manufactures asbestos millboard, asbestos cement slates and several kinds of machine packings.

A new factory was erected in 1929 for kieselguhr insulation materials, magnesia insulation, and so called Asbestite surface substance. Kieselguhr and asbestos from the Finnish mines are principally used.

Production (sales) for the years 1924 to 1928 was as follows:

1924	1,324,962	kilos	(1460	short	tons)
1925	1,727,675	"	(1904	"	")
1926	2,095,452	"	(2310	"	")
1927	2,223,914	"	(2451	"	")
1928	2,377,469	"	(2621	"	")

At first the bulk of the fibre was exported to Germany,

Philip Carey Products

FOR over fifty years Carey Asbestos, Magnesia and Asphalt Products have been supplied to manufacturers, industrials and power plants all over the world.

ASBESTOS

Eight Standard Grades of Asbestos Fibres

MAGNESIA

85% Magnesia
Carbonate of Magnesia Powder
Pure Carbonate of Magnesia Block
Light and Heavy Calcined Magnesia
(*In Technical and U. S. P. Grades*)
Correct Heat Insulation for each Condition
Asbestos and Magnesia Pipe and Boiler Coverings

ASBESTOS ROOFINGS

Careystone Asbestos Shingles
Careystone Asbestos Corrugated Roofing and Siding
Asbestos Built-up Roofings

ASBESTOS PRODUCTS

Asbestos Paper and Asbestos Millboard
Asbestos Rope, Wick Packing and Gaskets
Asbestos Boiler Setting Cements
Asbestos Insulating and High Temperature Cements
Asbestos Insulating Doors for Power Plants

ASPHALT PRODUCTS

Built-up Asphalt Roofings
Prepared Asphalt Roll Roofings
Asfaltslate Shingles
Asphalt Paints for Roofing
Elastite Asphalt Expansion Joints,
Planking, Trunking, Pavement for Crossings,
Track Insulation and Water-Proofing
Asphalt and Tarred Felts

THE PHILIP CAREY COMPANY

Lockland, Cincinnati, Ohio

Belgium, England and the Baltic States, but home consumption is steadily increasing and at present exceeds the export, particularly as far as the cheaper grades are concerned. Materials are shipped from the mine during the summer along the Saiman waters thru canals down to the Finnish Gulf.

Clement Restein Dies in 59th Year

Clement Restein, President of the Belmont Packing and Rubber Company of 1133 Arch Street, Philadelphia, passed away on May 21st, 1930, at the Hahnemann Hospital, Philadelphia.

Mr. Restein was born on September 8th, 1871. He formed the Belmont Packing & Rubber Company, at first known as The Clement Restein Company, about 1893, thirty seven years ago, and established a national reputation for its products.

Mr. Restein was a Director of the Central National Bank, of Philadelphia, a member of the Manufacturers Club, the Rotary Club and the Masonic Fraternity.

His home has been for many years in Hatboro, Pa. He is survived by his wife, Edyth Border Restein, and a brother, Jules Restein.

He was buried on May 26th, from Oliver H. Bair's Funeral Parlors, Philadelphia.

STONE INDUSTRIAL EQUIPMENT COMPANY
SPRINGFIELD, MASS.
U. S. A.

Desire U. S. A. Agency from responsible European Manufacturer of Asbestos, Cork, or other insulation products; Power Plant Equipment; Tiling or Flooring; Engineering Specialties; Special Building Material; Acoustical Correction Treatments; Sound and Vibration Dampers.

M. Stone Baker, a partner, will be in Scandinavia in July; British Isles during August; on the Continent in September. Personal interviews arranged with interested parties. Immediate response requested.

From

CRUDE ORE

to

FINISHED PRODUCT

Johns-Manville carries on the entire manufacturing process of asbestos. Mines in Arizona and Canada, thirteen factories located strategically across the continent and branch offices in all large cities cooperate in the supreme idea of service.

In a hundred ways Johns-Manville products contribute to the comfort of modern life and to the efficiency of industrial establishments. There are Johns-Manville Asbestos Shingles, automobile brake linings and Improved Asbestocel heater pipe and boiler insulations. Besides these, Johns-Manville makes scores of items ranging from asbestos curtains that protect theatre audiences to the packings, insulations and cements which make it possible to heat large buildings, and to operate great power plants.

Johns-Manville

CORPORATION

EXECUTIVE OFFICES: NEW YORK

Branches In All Large Cities

JOHNS MANVILLE JM CORPORATION

The Advantages of the Census of Manufactures

Several times recently we have mentioned the Census of Manufactures being taken by the U. S. Census Bureau, but we find that some of our readers do not know what it is all about.

The Census of Manufactures is taken each two years (unlike the general census which is taken every ten years). The last census of manufactures covered the year 1927; the one being taken at present covers 1929.

This Census of Manufactures is taken by means of blank forms which are sent to every manufacturer in the country, and which are to be filled out by the manufacturers as completely as possible.

Each industry gets a different form. If a manufacturer makes two entirely different products he will receive (has received we should say) two forms, each representing a different industry.

For instance we ourselves received and filled out the form for publishers; manufacturers of Asbestos Products receive a form covering: "Asbestos Products; Steam and Other Packing and Gaskets."

As soon as all the reports from *any one* industry are received by the Census Bureau, the combined report is compiled and published. This means that the asbestos manufacturers are not held up on their final report if some manufacturer of steel, for instance, fails to get his report in promptly. It also means, however, that delay of one asbestos manufacturer in sending in his report, delays the combined report to all.

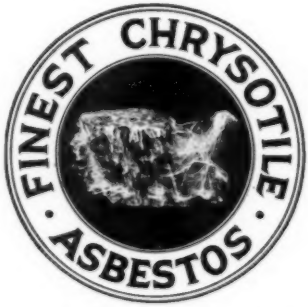
Naturally we all want statistics before they are old and bewhiskered; therefore we all should see that these census forms are filled out and returned promptly to the Bureau.

The 1927 report gave a great deal of interesting and valuable information, but the 1929 form is even more detailed, and the various types of asbestos products are better grouped.

CANADA

Bell Asbestos Mines

Thetford Mines, P. Q., Canada



HIGHEST QUALITY

Crudes and Fibres of all Grades

Sales Agents

KEASBEY & MATTISON COMPANY

AMBLER U. S. A. PENNA.

This 1929 report, besides covering such general questions as hours in operation, number of employees, salaries and wages, materials, fuel and electric current used, power equipment, etc., asks for the production in both quantity and value for each of the following products:

a. Asbestos Textiles
   - Yarn
   - Cloth
   - Clothing (gloves, etc.)
   - Tape, listings and tubular lagging
   - Brake linings (not molded)
   - Clutch facings
   - Packing, compressed sheet
   - Packing, fabric, flat
   - Packing, woven and molded to special sections (with or without other materials)
   - Gaskets
   - Other asbestos textiles (specify)

b. Asbestos Building Materials:
   - Asbestos Shingles
   - Asbestos lumber (plain)
   - Asbestos lumber (corrugated)
   - Asbestos wall tile
   - Asbestos flexible roofing
   - Other asbestos building materials (specify)

c. Other Asbestos Products:
   - Felt sheets
   - Millboard
   - Molded asbestos brake lining
   - Molded composition insulators
   - Molded asbestos blocks
   - Molded 85% Magnesia Blocks
   - Paper
   - Pipe and boiler covering, aircell asbestos
   - Pipe and boiler covering, 85% magnesia
   - Asbestos insulating cements
   - High temperature cements
   - 85% magnesia cement
   - Table mats and protectors
   - All other asbestos products (specify)

d. All Other Products:
   - Gaskets, other than those listed under "Asbestos Textiles" above (specify material of which made)
   - Steam and other packing (for steam engines, pipe joints, air compressors, etc.) other than asbestos
   - All other (specify)

It can readily be seen that such a report containing combined figures of all asbestos manufacturers in the United States will be most interesting and very valuable.

ASBESTOS

Allbestos
CORPORATION

MANUFACTURERS OF ASBESTOS TEXTILES

SPECIALIZING IN ASBESTOS
YARNS OF SUPERIOR QUALITY
FOR
PARTICULAR REQUIREMENTS

❖ ❖ ❖

Woven Brake Lining and Allied Products
Non-Ferrous Cloth
Plain Cloth
Asbestos Tapes and Wiping Cords
Asbestos Wick and Rope
Pure Asbestos Carded Fibres

❖ ❖ ❖

Manufactured in Our Own Plant from the Raw Materials

Allbestos Corporation

21st St. and Godfrey Ave., Germantown
PHILADELPHIA, PA.

Ric-wiL CONDUIT
makes for economical and speedy installations

After trench is graded, lay Ric-wiL Base Drain end to end like dominoes—the center b e a d serves as an alignment guide. Wedge Pipe Support saddles between every sixth section.

Set on bottom conduit sections—every sixth section has a pipe support hole. Install and test the pipes — exceptionally easy, as the pipes are in the open.

Apply asbestos pipe covering, put top conduit section in place, cement bells and Loc-liP Side Joint. Job is ready to backfill.

Ric-wiL, with its locked and sealed Loc-liP Side Joint and perfect underdrainage, constitutes a permanently dry housing. It makes it possible for the pipe covering to do a better, more efficient job. Can you afford to gamble on less?

Write today to Dept A for more detailed information on Ric-wiL Underground Conduit installations.

The Ric-wiL Company

1563 Union Trust Bldg., Cleveland, O.

New York - Boston - Baltimore - Atlanta - St. Louis - Chicago

Reg. U. S. Pat. Off.

RIC-WIL

UNDERGROUND CONDUIT

Improvement With Depth

Quite often we are supplied with specimens of "surface" material, with the optimistic prognostication that the quality of the Asbestos, or the length, "will improve with depth."

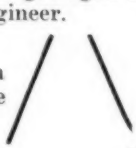
Dr. F. E. Keep, A. I. M. M., the author of a number of books dealing with the geology of Asbestos and other mineral deposits comments on this oft repeated promise in this wise:

"It has doubtless been the experience of many, as it has been mine, that the owner or company promoter holding certain asbestos claims with probably rather poor showings on the surface and in shallow workings, endeavors to persuade an examining engineer or geologist that prospects will improve with depth. In many cases the prospector, always an optimist, has convinced himself, on no evidence, that this will be the case.

"Apart from local eccentricities at depth, such as are likely to occur in all mineral deposits, it is extremely rare (in my experience it has never happened) for chrysotile asbestos deposits to show any general change in quantity or length of fibre at depth, the average values in succeeding zones in depth being remarkably constant."

All of which reminds us of a certain geologist's definitions of a prospector and a mining engineer.

A prospector, says this geologist, is a man who, if a discovery has a width at surface of two feet, expects it to go down like this:



A mining engineer is a man who, if a discovery has a width of ten feet at the surface, expects it to go down like this:

CONTRACTS EXECUTED ANYWHERE
High and Low Pressure Insulation
Brine and Ammonia Cork Insulation
STONE INDUSTRIAL EQUIP. CO.
SPRINGFIELD : : MASS.

Grant Wilson, Inc., Enters the Distribution Field

There have been so many requests both from the producers and the trade for the furnishing of actual materials, together with very specific information as to their use, that the form of service of Grant Wilson, Inc., has been extended to include the selling and distribution of proven insulation materials. A complete and competent organization is being formed for this purpose.

The Company will operate out of Chicago and cover the Great Central market, including the States of Illinois, Indiana, Iowa, Michigan, Wisconsin and Missouri. The materials to be offered, include complete lines of High and Low Temperature Insulations, Cold Insulation, Asbestos and kindred products for every fireproofing and insulating purpose.

GRANT V. WILSON
President

The company is headed by Grant V. Wilson, who is personally known to many of our readers, having been identified with the Asbestos and Asphalt Roofing Industries for many years, beginning nineteen years ago as paste boy in the pipe covering factory of the Sall Mountain Company, from which job he worked thru every department of the factories, going into the General Offices in 1915 as Cost Clerk. From this position Mr. Wilson was promoted to General Purchasing Agent and later to Production Manager of the Company's three plants. In this latter capacity he was made Vice President.

Sensing the necessity for a very close relationship between what the customer wanted and what and how

ARIZONA

AFRICA

E. SCHAAF-REGELMAN

220 Broadway

New York, N. Y.

Crude -:- Spinning Fibre
Shingle Stock

Owning and Operating

REGAL ASBESTOS MINES, Inc.

Producers of

Arizona Asbestos

European Head Office
Merckhof
HAMBURG
Germany

IMPORT

EXPORT

the factory should make it, led him to study and analyze their sales problems. Having acquired an intimate knowledge of the Sales Department and the markets opened the way for later assuming the direction of sales along with the production responsibilities. In these capacities he served up to the time of leaving the company to enter the field under the present new style.

For the last several years, Mr. Wilson has been very active in the industry's trade association work and served the Asbestos Paper & Millboard Association as Secretary-Treasurer in 1928 and as its President in 1929 and 1930, resigning from that post just recently.

Despite of this being the age for it, Mr. Wilson says he must be "progressive", his first name being that of a Republican President and his last that of a Democratic President.

"Know and meet the needs of the Trade" has always been a fundamental doctrine with Mr. Wilson and to this end many new products and practices were developed by him several of which are now standard thruout the industry.

Believing there must be a specific reason for buying insulation and fireproofing materials and finding out this reason so that the proper materials will be furnished, is, in Mr. Wilson's opinion, a very definite responsibility of the seller and it is on this principle that his company intends to serve and build its business.

PAUL RODE

STADTHAUSBRUCKE 15

HAMBURG GERMANY

Cable Address: PARIMASCO

In the market for

ASBESTOS CRUDES & FIBRES

ASBESTOS

ASBESTOS CORPORATION LIMITED

Some idea of the magnitude of the operations carried on by the Asbestos Corporation may be obtained from the following figures showing the amount of material hoisted at the Corporation's various mines in one day.

Kings Mine	7261 tons
Beaver Mine	2848 tons
British Canadian	2170 tons
Maple Leaf Mine	755 tons
Vimy Ridge Mine	610 tons
Asbestos Mines	955 tons
Total	14,599 tons

THETFORD MINES

QUEBEC CANADA

Little Lessons in Selling

YOUR COMPETITORS

By J. T. Bartlett

Be gentlemanly and fair toward your competitors. Fight the sales battle clean, but fight it hard. A merchant told us privately, with pride, of a salesman who had got behind several lines and put them far in front in the local field. "The boy first analyzed all local lines inside and out," he related. "He found the respect in which our lines were genuinely superior. Then he set the stage for the customer who remarks, 'I think I'll go over to see what Jones & Company has.' "

"When the customer made that remark—sometimes before he made it—our fast young fellow familiar with the lines of other stores began to compare with our own line. He would make a fair, honest comparison—show the weak points of other lines, in what respects our line was far superior. He would do this with such apparent fairness that the customer, in nearly all cases, was convinced.

"This young fellow would remark, 'You can buy a comparative product for 25% less, but this is what it costs you to make that saving.' Then he would show the inferiorities of a product sold at a price."

When you compare your product with the competitor's, be fair. Admit the good points of the other man's goods—then show, convincingly, how yours are better.

Don't knock the honesty and good morals of competitors. Don't talk of "dirty competition." Don't use such words as, "crooked," "shark," "cheat," and the like. Such words don't belong in the vocabulary of 1930 selling.

If a buyer approaches and complains of misunderstanding and much injustice of a competitor's treatment, it is far better to show him where he is wrong—correct his misapprehension. He'll be mistrusting you, next, perhaps. Do the same good turn for a competitor that you would like a competitor to do for you.

Fight clean, but fight hard! Let that be your slogan for competition.

ASBESTOS

Arizona Crude
Italian Crude
Canadian Crude
Canadian Spinning Fibre
Canadian Shingle Fibre
Russian Crude
Rhodesian Crude
South African Blue Crude
South African Yellow Crude

ASBESTOS LIMITED INC.

8 West 40th Street : New York City

Works: MILLINGTON, N. J.

A Few Facts About Johns-Manville Corporation

The original founder of the Johns-Manville Corporation was H. W. Johns, who started in business in New York City, in 1858, seventy-one years ago, for the purpose of manufacturing roofing and pipe covering.

Until the seventies, the company was known simply as "H. W. Johns." It then became the H. W. Johns Manufacturing Company, which continued to be its name until 1901 when it was consolidated with the Manville Covering Company and the name changed to the H. W. Johns-Manville Company. Later the initials were dropped and the Company was incorporated—Johns-Manville Incorporated. In 1927 a further reorganization took place and the Company became known as the Johns-Manville Corporation.

At the present time the Johns-Manville Corporation and its subsidiaries employ approximately 10,000 persons.

It manufactures more than 1,000 individual products, which can be divided into the following major lines: Roofings and shingles, industrial and home insulation materials, industrial and decorative floorings, acoustical treatment, concrete products, textiles, power specialties and automotive equipment.

The basic materials used in the manufacture of these products are asbestos, magnesia, diatomaceous earth, silicon rock.

The Corporation has thirteen factories, which are located at Alexandria, Ind., Asbestos, P. Q., Cincinnati and Dayton, Ohio, Gretna, La., Lompoc and Los Angeles, Calif., Manville, N. J., Nashua, N. H., Pittsburgh and Redwood City, Calif., and Waukegan, Ill. It also has a substantial interest in a factory in Belgium.

It also has two mines, one at Asbestos, P. Q., and the other at Chrysotile, Ariz.

These are just a few of the interesting facts about the largest asbestos firm in the United States.

KUBAR
Manufacturing Company

Manufacturers
of
Asbestos Textiles

CLOTHS - YARNS
ROVINGS - CORDS
WICK, ROVING - CARDED FIBRES

MAIN OFFICE and FACTORY
Davidson, N. C.

C. H. CARLOUGH
Vice President & General Manager

New Asbestos Storage Warehouse of the Vermont Asbestos Corporation, at Hyde Park, Vermont.

VERMONT

ASBESTOS CORPORATION

▲▲▲

SPINNING FIBRE
COMPRESSED SHEET FIBRE
SHINGLE STOCK
PAPER STOCK
CEMENT STOCK
SHORTS & FLOATS

▼▼▼

MINED IN U. S. A.

GENERAL & SALES OFFICE
EIGHTY-NINE BROAD STREET
BOSTON, - - - MASS.

New Manufacturing Process for Asbestos Cement Corrugated Sheets

The manufacture of laminated Asbestos cement corrugated sheets is done in many factories thruout the world by methods which could most probably be improved upon both in time and efficiency.

In fact the process often followed is somewhat as follows:

After the wet sheets are removed from the machines, they are rolled on a wooden or iron roller and unrolled afterwards where they are to be cut by hand or possibly by some kind of machine. Then rolled, and unrolled again on corrugated steel plates (oiled beforehand) where they are moulded as required. They remain between these steel plates for sometime, to be removed when the cement is nearly set. After being removed they are once more cut lengthwise in order to give them a clean-cut edge, and piled up in the warehouse.

Everyone in this line of manufacture knows, first that the constant rolling and unrolling of the sheets has a bad effect on their texture and therefore on their resistance to strain, which is of main importance. Second, that the process requires a tremendous lot of labor which makes it expensive, besides exposing the sheets to the care or carelessness of a series of workmen. Third, that the clean cutting of the sheets when the cement is nearly set means a loss of material of at least one centimeter (slightly less than one third of an inch) each side of the sheets. And fourth, the complicated process makes it impossible to bring up the output of every set of machines to an economical level.

To overcome all this, and to manufacture a sheet of very fine quality, with less labor, no loss of material, and an increase of output for each machine, the technical staff of a well known manufacturer of Asbestos cement materials in Belgium (Scheerders Van Kerchove United Company, St. Nicolaas-Waas) has designed a set of machines which is said to be working perfectly in their

factory, and which we will try to describe briefly.

In this new process the sheets are at no point even touched by the hands of workmen before they are definitely set between the steel moulds. The moment they leave the usual Hatschek machine, they are transported on a continuous band or belt, to a machine which cuts them into standard lengths. Another belt picks them up, brings them over a table containing a steel mould. The moment the wet sheet comes between two rollers at the end of this table, the steel mould is put automatically in motion, oiled, covered by the wet sheet and so transported by another continuous belt or chain under a moulding machine. Just after the steel plate and wet sheet are in place, the transportation chain stops and the moulding machine automatically comes down. This machine is arranged in such a way that three middle corrugations are made, the sheets are then cut lengthwise and afterwards the remaining corrugations are made. The machine goes up, the

ASBESTOS
S.V.K.
ST. NIKLAAS
CEMENT

TRADE MARK

ASBESTOS-CEMENT
SHINGLES
AND LUMBER

Corrugated Sheets
Manufactured to
a
New Process
Patented or
Patents Applied for
All over the
World

Scheerders - Van Kerchove United Company
(Ste An)
St. Nicolaas (Waas)
Belgium

QUOTATIONS, LITERATURE and SAMPLES SUBMITTED TO ANYONE INTERESTED.

transportation chain is put in motion again and the steel moulds, together with the formed sheet, exactly cut to size, is removed from under the machine. Both are picked up by a "piling up" machine, and afterwards removed to the stacks about twenty at a time, by means of an overhead crane.

While some of the newer, modern factories manufacturing asbestos cement materials may use very similar methods to those above described, we believe that many of the older factories will be much interested in the above description, and wish further information concerning the process. Such information, method of licensing, etc., will gladly be supplied by the manufacturers upon request.

Opportunity for Salesman familiar with textile business to cover New Jersey and Pennsylvania. An attractive proposition will be offered to right party by old reliable company.
Address Box 6S-C, "ASBESTOS"

STOCK UP NOW

Finest Quality 72" Duck, 1.05 Double or Single Filled, Count 76x28 Approx. 8 Ounce.

Price 38c per lin. yd.

FREIGHT PAID MAINE TO TEXAS EAST OF 96° LONGITUDE
Slightly Higher Far West and Canada

Rolls—100 to 400 lineal yards
State Preference

Beautiful Material for Canvassing Boiler, Tank, Pipe & Cork Insulation

STONE INDUSTRIAL EQUIPMENT COMPANY
SPRINGFIELD, MASS.
U. S. A.

Raybestos

ASBESTOS TEXTILES

Cloth - Yarn Rovings

furnished in all standard grades
Commercial, Underwriters', 90%, 95%, & 98-99%

Brake Lining	Brake Testers	High Pressure Packing
Clutch Facings	Drum Lathes	Automotive Hose
Fan Belts	Rivets	Valve Stem Packing
Sheet Packing	Countersinking & Riveting Machines	Brakes
Car Mats	Millboard	

The Raybestos Division of
RAYBESTOS-MANHATTAN, Inc.
Bridgeport, Connecticut

FACT AND FANCY

A Far Fetched Surmise.

Our South African contemporary, the Mining & Industrial Magazine, appears to be quite exercised over patent granted last fall to Morris Grossman of New York City for the manufacture of Synthetic Asbestos.

They quote the full specifications of the patent, and remark: "The fall in the price of the fibre (asbestos) led one to conjecture that there was something in the nature of truth in the rumour (that a patent on synthetic asbestos existed) which, however, was denied by high authorities in South Africa and overseas. The fall in the price of fibre was followed, of course, by a reflex action on asbestos shares generally, and some reshuffling of very large interests took place. The secret of the decline, if one may venture an opinion, is contained in U. S. A. patent No. 1,730,609 (the patent covering synthetic asbestos)."

While we may be wrong, after having seen a specimen of the material, it would seem to us that our friends in Africa are unduly alarmed. Certainly there has been a decline in prices of raw asbestos but,—well we can think of any number of far more cogent reasons than the existence of a patent of which probably not more than one-tenth of the asbestos world was aware, and which, so far as we can tell has not, and probably will not, be put to any practical use.

S. A. Internationale De L'Asbeste-Ciment.

An arrangement has been made between the above Society and "ASBESTOS" for the exchange of information, suggestions and service.

It will perhaps be of interest to our readers to know the purpose and aims of the society, which can be described briefly as follows:

Europe's most important asbestos cement manufacturers, at the instance and under the leadership of the Eternit S. A. Niederurnen, recently founded a Society—

ASBESTOS
FABRICS *and* YARNS

for Manufacturers of

BRAKE LININGS

HIGH PRESSURE STEAM PACKINGS AND FRICTION FACINGS

MADE TO SPECIFICATIONS

Samples and Prices on Request

We Solicit Your Inquiries

UNION ASBESTOS & RUBBER CO.
18th & So. 54th Ave., Cicero, (Chicago) Ill.

the International Asbestos-Cement Ltd.—first for the purpose of conducting in common scientific studies of any kind from which the asbestos cement industry is likely to benefit. Secondly the society will serve its members thru acquiring for common account patents and manufacturing processes and further thru erecting factories in countries where the asbestos-cement industry is either unknown or as yet insufficiently developed. It will organize the purchase of Raw materials and act as intermediary in matters of commercial agreements concerning the opening of new markets, etc., etc.

It has to be particularly understood, however, that, contrary to beliefs expressed, no pooling of any financial interests whatsoever has taken place among the members of the Society and there is no question of majority or even control by any one group within the S. A. I. A. C. No agreement of any kind has been entered into with members at the same time asbestos producers.

The address of the Society is Wildegg, Switzerland.

Antiques.

A curiosity reached us the other day thru the courtesy of one of our readers—the Acme Asbestos Covering & Flooring Company of Chicago.

It consisted of two sample pieces of Nonpareil Cork Covering, evidently, as indicated by the four page circular which accompanied the samples, manufactured about thirty-three years ago—in 1897.

The one sample is particularly interesting as it is made of wedge shaped pieces of cork, having a layer of asbestos paper on the inside and another layer around the outside, with a piece of canvas covering the whole.

The circular is of even greater interest. It contains a table of comparative tests made by the Boston Manufacturers' Mutual Fire Insurance Company on the following materials:

Nonpareil Cork, made by Stone & Duryea (later succeeded by Nonpareil Cork Mfg. Co.)

Magnesia, made by Keasbey & Mattison.

Air Cell, made by Asbestos Paper Co.

» » ARE YOU OVERLOOKING OPPORTUNITIES OF GETTING MORE BUSINESS FROM YOUR OLD CUSTOMERS

NORRISTOWN OFFERS THIS HELP

Have you sold your old customers everything they should have? The last time you installed a new hot water boiler did you attempt to sell an insulating jacket for it?

That heater you just covered with asbestos cement—was anything said about air cell for the pipes?

Look over your list of old customers, see where a little effort might produce a profitable job—then send them one of the folders offered here—and the results will surprise you.

One plumber made $3120 in extra sales last year by exerting a small amount of extra effort—you can, too—send the coupon for the "Bill says" Folder together with a supply of these folders—they're free!

NORRISTOWN MAGNESIA & ASBESTOS CO.
NORRISTOWN, PENNSYLVANIA

MAIL THIS COUPON FOR SOME NEW IDEAS

SEND, WITHOUT OBLIGATION, ABOVE MENTIONED FOLDERS • • •

Name _____

Address _____ City & State _____

Magnabestos made by Keasbey & Mattison

Fire Felt made by H. W. Johns Co.

Lamkin's Rock Wool, by Lamkin Co.

Calcite by Philip Carey Co.

It would be interesting to have specimens of other old pipe coverings, in order to demonstrate the progress made in insulation to keep pace with the increasing steam pressures.

Asbestos in Colloidal Form.

A manufacturer of electrical products tells us they have heard that asbestos in a colloidal form has been successfully used in the impregnation of electric magnet coils, and asks for further information.

So far as we know, asbestos has never been reduced to colloidal form, and we cannot by any stretch of the imagination picture asbestos being made into such colloidal, or gelatinous, form.

It is possible that asbestos has been used with some gelatinous substance for the purpose outlined.

Do any of our readers know anything about this. And if so, will you send us full information?

Asbestos and Music.

From Brake Lining manufacture to the editing of a music cyclopedia, appears to be rather a long journey, but is accomplished by Walter Willson Cobbett, chairman and founder of the British Belting and Asbestos Company (England) who is also editor of *Cobbett's Cyclopedic Survey of Chamber Music.*

WANTED

Man capable taking charge pipe covering application department, well known concern. Mechanical engineering experience preferred.
Address Box 5C-D, ASBESTOS

FOREIGN AGENCY DESIRED
For
ASBESTOS PRODUCTS OR ENGINEERING SPECIALTIES
STONE INDUSTRIAL EQUIPMENT COMPANY
SPRINGFIELD, MASS.

Wire Insulating Compounds

Coincident with an inquiry for Asbestos in colloidal form for the impregnation of electric magnet coils, (See page 32 we run across an article in the India Rubber Journal (of issue May 10th), which tells of an asbestos insulation for wires, known as "Apyrol", which has been evolved by the A. E. G. Electrical Company, a German concern whose London office is located at 131 Victoria St., London, S. W. 1.

This Apyrol process uses short asbestos fibres which are applied as a thin felt-like substance to copper wire, resulting in an insulating layer, hardly thicker than a double cotton covering, which has good insulating properties and withstands the heavy stresses occurring when winding armatures.

The manufacture of this insulation is simply the tearing by means of carding rollers, of the asbestos roving into tiny fibrous particles mixed with an adhesive of good heat-resisting and insulating properties, and applied to the conductor at a thickness of from 0.4 to 0.5 mm.

At the same time we read of another asbestos compound for electric motor windings. This one is described as the reducing of Asbestos fibre to a powdery consistency and mixing with a chemical to render it non-hygroscopic, the diluent used being highly volatile to facilitate complete permeation. This diluent is driven off during the baking process. The stator slots of the motor are first lined with treated asbestos to furnish a fireproof wall between the windings and the sheet-steel stator core. Into these lined slots the windings are placed, after which the lips of the asbestos carrier between the wires and the steel are overlapped at the tooth tips. This forms a cell of sheet asbestos between the copper windings and the steel core. During impregnation the wires in the slots are gently vibrated to enable the asbestos compound to penetrate the windings. We are endeavoring to learn the name of the sponsor of this process.

Perhaps neither of these processes are the one re-

ferred to by our inquirer, but they will nevertheless be of interest to our readers. It is quite possible that they represent one step forward in the development of an asbestos material for the insulation of wires.

Asbestos Saves Electric Motor

By H. C. Charles

Asbestos paper is a mighty handy material to have around the plant. It should be kept in the stock room at all times and in such manner as will prove readily accessible. It is a good piece of material to have in the electrical supply room also, as proved to be the case in a certain plant not long ago.

An electric motor of two horse power was used in this plant to drive a small exhaust fan exhausting hot gases from an enamel baking oven. The temperature of the oven ran around 450 degrees F. and since the motor was direct connected to the fan—in fact the fan was supported on the motor shaft—the temperature of the fan housing resulted in increasing the motor temperature considerably. The fan housing, of course, had considerable radiating surface and the motor received the full benefit of this radiation. As a consequence the motor temperature increased above the allowable temperature rise causing the insulation to deteriorate rapidly.

The first time the motor burned out everyone thought the job overloaded and steps were taken to replace the motor with a larger unit, but when the electrician plugged in the watt meter, it was learned that the load was not excessive for the motor. This was, of course after the motor had been rewound. About a week later the motor burned out a second time and then temperature tests were made. It was found that the radiation from the fan housing was causing the trouble. Once the trouble was located, its cure was quite simple.

A sheet metal disc was produced, in fact two such discs and several layers of plain asbestos paper were secured between them. This insulation was then inserted between the

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RHODESIAN MINES

SHABANIE - *registered mark C & G*

GATHS - - *registered mark V R A*

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ORPHAN'S LUCK

Also **CRUDE BLUE ASBESTOS**

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New York City - New York

To Whom All Inquiries Should Be Addressed

fan housing and the motor.

To insure that heat sufficient to affect the motor would not be conducted along the shaft the fan was taken off the motor shaft and mounted on its own base. A coupling was then inserted between the motor and the fan. Several thicknesses of asbestos paper were cut and placed between the halves of the coupling so that the only direct metal path for the heat was via the bolts and the base plate. After doing this the job operated continuously without further trouble from heat transmission and the price of a new motor saved.

The Russell Manufacturing Company, of Middletown, Conn., announce the manufacture of a new safety belt especially designed for use with primary gliders. Many prominent pilots, both ladies and men, have tried out the new belt and recommend it. It is not an asbestos product, however.

ASBESTOS STOCK QUOTATIONS

			May 1929		
	Par.	Div.	High	Low	Last
Asb. Corp. (Com.)	np	–	2⅝	1¼	1¼
Asb. Corp. (Pfd.)	100	7	12	2	2
Carey (Com.)	100	8	Not Received		
Carey (Pfd.)	100	6	Not Received		
Certainteed (Com.)	np	–	11¼	8½	9½
Certainteed (Pfd.)	100	7	30	30	30
Garlock Packing (Com.)	np	–	28⅞	23⅞	26
Garlock Pkg. (6s Deb. 1939)	100	6	108½	104¼	105
Johns-Manville (Com.)	np	3	114¾	98	111¼
Johns-Manville (Pfd.)	100	7	122	120	122
Raybestos-Manhattan Inc. (Com.)	np	–	52¼	35	40
Ruberoid (Com.)	np	4	57½	54	54
Thermoid (Com.)*	np	–	26⅞	20⅛	24½
Thermoid (Pfd. convt.)	100	7	85	76	80
Thermoid (6s 1934)	100	6	95	92½	94

*Discontinued on N. Y. Curb and listed on New York Stock Exchange on May 8th.

SLEEVING AND TUBING

Inquiries Invited

ATLAS ASBESTOS CO.
NORTH WALES, PA.

CYPRUS ASBESTOS

A true Chrysotile fibre of great tensile strength, exceptionally clean and well graded, suitable for the manufacture of—

Asbestos-cement pipes, sheets and shingles

Asbestos millboard

Moulded brake lining

Etc., etc.

Limited quantity still available for 1930 delivery.

APPLY FOR SAMPLES AND PRICES TO SOLE AGENTS—

CYPRUS TRADING CORPORATION, Ltd.

49, ST. JAMES'S STREET

LONDON, S. W. 1

Africa (Rhodesia)

Bulawayo District.

	January 1930 Tons (2000 lbs.)	Value	February 1930 Tons (2000 lbs.)	Value
Croft (Afr. Asb. Mng. Co. Ltd.)	210.45	£4,344 0 0	186.00	£3,786 0 0
Nil Desperandum & Sphinx (Afr. Asb. Mng. Co. Ltd.)	746.10	16,282 10 0	680.10	15,003 0 0
Norma (U. S. Mng. & G. Tr. Ltd.)	20.63	412 10 0	.....	.....
Recompense 1 (J. S. Hancock)	11.45	145 1 10	12.11	151 7 7
Shabanie (R. & Gen. Asb. Corp.)	2,901.77	58,035 6 0	2,397.26	47,945 4 0
Lomagundi District.				
Ethel (Rho. Chrome & Asb. Co.)	24.50	490 0 0	.....	.....
Victoria District.				
Gath's (R. & Gen. Asb. Corp.)	544.34	10,886 16 0	470.39	9,407 16 0
King (R. & Gen. Asb. Corp)	315.90	6,318 0 0	379.71	7,594 6 0
	4,775.14	£96,914 3 10	4,125.57	£83,887 13 7
Same period 1929	3,573.09	£66,359	991.60	£13,626

Africa (Union of South Africa)

	February 1929 Tons (2000 lbs.)	Value	February 1930 Tons (2000 lbs.)	Value
Transvaal				
Amosite	754.60	£ 7,888	285.30	£ 3,366
Chrysotile	1,293.14	21,280	838.50	12,560
Cape				
Blue	383.52	9,588	457.34	11,525
	2,431.26	£38,756	1,581.14	£27,451

Canada

March 1930 ..... 19,559 tons (2000 lbs.)
March 1929 ..... 22,109 tons (2000 lbs.)

Note that the March production was higher than February (which was 16,112 tons).

United States.

For Year 1929—3,155 short tons valued at $351,004.

This consists of 1,983 tons Chrysotile, valued at $317,584, mined in Arizona and Vermont, and 1,172 tons of amphibole, valued at $33,420, mined in Georgia, Maryland, Montana and North Carolina.

Production was reported from Vermont for the first

BLUE AND AMOSITE CRUDES AND FIBRES

"CAPE" BLUE ASBESTOS of all grades suitable for shingles, asbestos-cement pipes, boiler and bulkhead blocks and textiles.

AMOSITE of all grades, suitable for 85% Magnesia coverings, composition and textiles.

BLUE AND AMOSITE MANUFACTURED GOODS

Yarns, cloth, 100% Asbestos Sectional Pipe Covering, Millboard, etc.

Both Blue and Amosite cloths possess the highest insulating properties and are approved by the British Admiralty. They are also specially adapted for resistance to strong acids.

The Cape Asbestos Co Limited

Morley House 26-30 Holborn Viaduct London E.C.1.

Factory, Barking, Essex

Telegrams:— "Incorrupt," London. Telephone City 6937

time since 1922, the total of Vermont production for 1929 being 1,049 tons valued at $47,799, leaving a balance of 934 tons valued at $269,785 from Arizona. It must be remembered, of course that Vermont produces only mill fibre, and Arizona practically all Crudes.

P. S. Thorsen Dies in Airplane Accident

P. S. Thorsen, head of P. S. Thorsen, Inc., Insulation Contractors of Brooklyn, N. Y., and Boston, Mass., was killed instantly on June 5th when an airplane in which he was a passenger, fell into the harbor near Boston.

Mr. Thorsen was born in Hancock, Me., in 1888. His New York business as an insulation contractor, was started in 1910, and in 1917 was extended to Boston. In addition to this business he carried on a very large sheet metal shop, which was entirely independent of the asbestos company.

Mr. Thorsen's hobby was his large farm at Ellsworth, Me., which he developed continually, by putting in the most uptodate equipment for farming. He was a lover of outdoor sports, was of generous nature extremely sympathetic, always ready to help the needy. He made many friends in all walks of life, including the Government service, industrials and shipping and farming trades. His sudden passing is deeply regretted by everyone who knew him.

The Asbestos Board of Trade of Boston, of which he was Secretary-Treasurer, has drawn up Resolutions of Respect which we are publishing at their request:

WHEREAS, in the death of Pearl S. Thorsen, a member of the Asbestos Board of Trade of Boston, there has been lost to the association one of its foremost members, a man of keen intellect, a builder of constructive force, and a counselor of great wisdom;

NOW THEREFORE, BE IT RESOLVED, that the Asbestos Board of Trade of Boston shall and it hereby does note in its records its tribute to the life and worth of Pearl S. Thorsen, and its appreciation of his noble character and the eminent services he has rendered to his country and to his associates;

AND BE IT FURTHER RESOLVED, that a copy of this resolution be tendered to his bereaved family.

ASBESTOS BOARD OF TRADE OF BOSTON
(Signed) IRVIN M. DAVIS,
Recording Secretary.

Ozite Standard Hair Felt is made of genuine, sterilized Cattle Hair. It is almost everlasting. It gives maximum protection.

Write today for catalogue and prices.

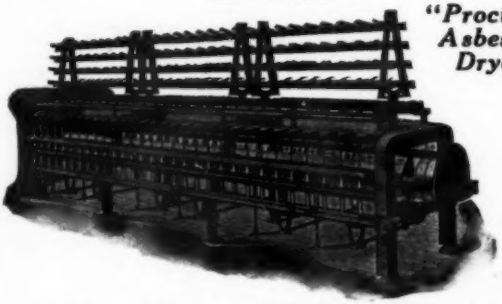
AMERICAN HAIR & FELT CO.

130 N. Wells Street, Chicago, Ill.

ASBESTOS YARN MACHINERY

"Smith-Furbush"

"Proctor" Asbestos Dryers



PROCTOR & SCHWARTZ, INC.

Formerly Smith & Furbush Machine Co.

Seventh St. & Tabor Rd., Philadelphia, Pa.

Brine Thickness Cork Moulded Fittings

Screwed. Outside Area in Square Feet

Pipe Size	Ells 90° & 45°	Tees	Globe & Check Valves	Crosses	Angle Valves S or BB	Gate Valves SB or BB	Flange Covers	Pipe Size
½	.8	.9	1.0	1.1	1.2	.8 SB	2.0	½
¾	1.0	1.0	1.2	1.2	1.4	.9 "	2.3	¾
1	1.1	1.1	1.4	1.5	1.7	1.0 "	2.5	1
1¼	1.2	1.3	1.9	1.9	2.1	1.2 "	3.3	1¼
1½	1.3	1.5	2.2	2.0	2.6	1.5 "	3.6	1½
2	1.5	1.8	3.2	2.7	3.7	4.0 BB	3.8	2
2½	1.8	2.3	4.1	3.1	4.3	4.5 "	4.0	2½
3	2.7	3.3	5.4	4.8	6.0	6.5 "	4.8	3
3½	2.8	3.5	5.8	5.2	7.0	7.5 "	5.1	3½
4	3.2	4.0	7.0	6.0	8.7	8.0 "	5.1	4
4½	3.4	4.1	7.5	6.1	9.1	9.0 "	6.7	4½
5	4.0	5.0	8.5	7.5	10.1	9.5 "	6.7	5
6	5.0	5.8	10.7	7.9	12.2	12.0 "	7.4	6
7	8.0	11.0	13.8	16.5	16.0		7.4	7
8	9.0	13.0	15.9	19.5	19.0		8.0	8
9	10.7	14.5	17.9	21.0	21.0		8.7	9
10	11.7	15.3	19.8	23.0	23.0		9.0	10
12	13.5	18.0	24.5	27.0	29.0		10.0	12
14	15.0	20.0		30.0			11.0	14
16	18.0	22.0		33.0			12.0	16

Flanged.

½	1.9	3.5	2.0	5.0	3.0	2.0	2.0	½
¾	2.2	4.5	2.0	6.0	3.0	2.0	2.3	¾
1	2.5	5.0	2.5	7.0	4.0	3.0	2.5	1
1¼	3.0	5.5	3.5	8.0	5.0	4.0	3.3	1¼
1½	3.5	6.5	4.0	11.0	6.0	4.5	3.6	1½
2	4.0	7.0	4.5	12.0	7.0	5.0	3.8	2
2½	4.5	9.0	5.0	13.0	7.0	5.5	4.0	2½
3	5.5	9.5	6.0	15.0	8.0	7.0	4.8	3
3½	6.0	10.0	7.0	16.0	9.0	8.0	5.1	3½
4	6.5	10.5	7.5	17.0	10.0	8.5	5.1	4
4½	7.0	13.0	8.5	20.0	11.0	10.0	6.7	4½
5	7.5	13.5	9.0	21.0	12.0	11.0	6.7	5
6	9.0	14.5	10.0	23.0	13.0	11.5	7.4	6
7	10.5	17.0	13.0	26.0	17.0	19.0	7.4	7
8	12.5	22.0	15.0	32.0	20.0	22.0	8.0	8
9	14.0	25.0	18.0	36.0	21.0	26.5	8.7	9
10	16.0	28.0	20.0	41.0	24.0	27.0	9.0	10
12	19.0	30.0	25.0	49.0	32.0	35.0	10.0	12
14	26.0	33.0		50.0		37.0	11.0	14
16	27.0	34.0		55.0		43.0	12.0	16

"S" Screwed Bonnet. "BB" Bolted

¼" & ⅜" fittings same area as ½".

10-15-27 File #35

CONTRACTORS AND DISTRIBUTORS PAGE

ANOTHER TABLE

Those insulation contractors who handle Cork Pipe Covering and Fittings (and what insulation contractor does not,) will find the table on the opposite page, of interest.

This gives the unit superficial area for Brine Thickness Cork Moulded Fittings, and is used in about the same manner as tables which we have published previously.

If any explanation is desired we will be glad to answer your questions.

A little later we will publish a table for the figuring of areas for Special Thickness Cork Moulded Fittings.

Readers who would like extra copies of this table can have them for the asking, the extra copies to be printed on fairly heavy paper with plain back. If more than five copies are desired a charge of 25c for each additional five will be made to cover postage, etc.

WAGE NOTES

Cincinnati, Ohio. Contract has been signed with Asbestos Workers in Cincinnati, continuing the present rate of $1.32½, for a period of thirteen months beginning July 23rd. Settlement of the wage scale sixty days before the expiration date (July 23rd) of the contract was made (in all crafts) with the hope that assurance of fixed wages for another 13 month period would encourage the immediate beginning of certain large projects known to be under consideration.

Cincinnati craftsmen will begin the five day week on July 23rd.

Rate for Roofers, slate and tile, will also remain the same, viz: $1.40, for the thirteen month period.

AUTOMOBILE PRODUCTION

Automobile production during April 1930 totalled 466,887, 442,630 being produced in the United States and 24,257 in Canada.

This was an increase over March, when 422,112 vehicles were produced.

The April total last year was 633,811.

The U. S. Department of Commerce has just issued a tabulation of automobile production by months and years, for both the United States and Canada, beginning July 1921. This can be obtained from any branch office of the U. S. Department of Commerce.

MARKET CONDITIONS

General Business.

While financial and other recognized authorities are almost unanimous in insisting that general business is improving and will continue to improve, to the casual observer, it does not seem to be much better than a few months ago, if as good.

Of course everybody is hoping for the best, and the more optimism shown the better for general business. As a whole, the Asbestos Industry cannot complain very greatly, when compared to other industries.

Asbestos—Raw Material.

Canada is making a wise move under present conditions and that is—reducing output. Some of the asbestos mills have shut down, others running half production, and if the Canadian Asbestos Miners pursue this policy, it will ultimately help stabilize conditions. Producing more asbestos than can be consumed will do no good, neither will a further cut in price help sales.

Prices are weak all round, with the exception of Thetford Crudes, which, while lower than peak prices, are not as low, proportionately, as spinning fibres.

Shingle fibres are none too firm and neither are shorter grades.

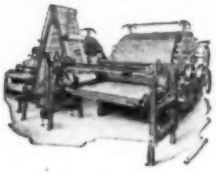
The new mill at Nicolet is now operating and producing a good grade of shingle fibre and paper stock.

There are very large stocks of Amosite and Blue Asbestos in the United States. These stocks are out of proportion to present consumption. This is also true of Rhodesian and Russian Asbestos.

Manufactured Asbestos Products.

Textiles. While prices on Textiles at the present time, both Cloths and Yarns, appear to be stable, yet the sale on these items is very low indeed.

Brake Lining. The market on brake lining at the present time seems to have slacked off considerably. There is a considerable demand for Brake Lining, of course, as is natural at this time of the year but all the factories inter-



A Broad Service

at your command!

Whitin Sales Engineers are assisting many asbestos yarn manufacturers in solving minor and major production problems. Their practical experience is yours to command, without obligation.

WHITIN SERVICE TO ASBESTOS YARN MANUFACTURERS

includes engineering counsel, installation and service on the following equipment:

Breaker and Finisher Full Roller Cards
Automatic Card Feeds
Camel Back Feeds
Derby Doublers
Condensers
Spinning Frames
Ring Twisters
Flyer Twisters
Card Roll Grinders
Card Grinding Rolls

WHITIN MACHINE WORKS

WHITINSVILLE, MASSACHUSETTS, U. S. A.

Charlotte, N. C. **Atlanta, Ga.**

viewed report that the orders are very small ones and entail as much trouble and followup work as do larger ones. Added to this is the "type" situation which remains very chaotic, and the sales which normally would take place on one or two types are now spread over at least six, which not only leads to confusion but also vitiates sales effort by splitting the margin of profit over the various lines sold.

Packing. The market in this product is reported as being exceedingly low at present. It is not the season for big sales on Asbestos Packing nor are general business conditions conducive to any great sales. Prices here show a lower trend than in any other of the Asbestos fields and as usual where very little business is being taken, the prices show no upward tendency.

Generally speaking, in spite of the good business which has prevailed during the last sixty days, we note a slacking off in all the textile lines. Altho this slacking off has not reached an alarming proportion, we still feel that it will be early fall at least before the Asbestos industry gets back to any normal basis. We look for a slow summer thruout the trade.

Insulation. High Pressure. Demand for high pressure insulation has dropped very appreciably, the factories finding it possible to make substantial additions to their warehouse for the first time in over a year. Prices remain firm, stocks being still quite a little below normal.

Low Pressure. Demand in low pressure lines is rather light, but some improvement can be noted. Prices remain fairly stable.

Paper and Millboard. There is little change in the paper and millboard market, demand being low and prices holding firm. Improvement in aircell should react favorably on paper.

Asbestos Cement Products. Shingle market is showing quite an improvement. This is, naturally, the shingle season, and prices are holding up quite well.

Demand in Corrugated is fairly satisfactory but the price situation cannot be so described.

Editor's Note. The above represent the opinions of various well informed men in the different lines. Any difference of opinion will be gladly received and, if desired, published in our next issue.

Asbestos Fibre

for the manufacture of

Roofing Cements · Fibrous Paints
Filtration Packings
Asbestos Shingles and Lumber
Insulating Cements
Asbestos Paper · Pipe Coverings
Asbestos Millboard
High Temperature Cements

THE QUEBEC ASBESTOS CORPORATION

Office and Mines
EAST BROUGHTON, PROVINCE *of* QUEBEC
CANADA

Imports into U. S. A.

Unmanufactured Asbestos.

	April 1929 Tons (2240 lbs.)	Value	April 1930 Tons (2240 lbs.)	Value
Africa (Br. S.)	410	$ 90,425	145	$ 25,211
Africa (Port. E.)	139	55,894	36	15,202
Belgium	60	9,956	..	...
Canada	18,334	704,060	17,457	565,044
Germany	278	87,370	151	44,271
Italy	16	2,462	24	3,428
Russia	..	...	3	838
United Kingdom	4	670	7	2,908
	19,241	$950,837	17,823	$656,902
Tabulation of Crude only:				
Africa (Br. S.)	410	90,425	145	25,211
Africa (Port. E.)	139	55,894	36	15,202
Belgium	60	9,956	..	...
Canada	350	101,286	154	52,297
Germany	278	87,370	151	44,271
Italy	16	2,462	24	3,428
Russia	..	...	3	838
United Kingdom	4	670	7	2,908
	1,257	$348,063	520	144,155
Other Grades:				
Mill Fibre (Canada)	7,906	441,787	6,395	337,585
Lower Grades (Canada)	10,078	160,987	10,908	175,162
	17,984	$602,774	17,303	$512,747

Manufactured Asbestos Goods:

	April 1929 Pounds	Value	April 1930 Pounds	Value
Yarn—				
Germany	2,097	$ 1,108	...	...
United Kingdom	251	239	152	$ 114
Fabrics, Woven—				
United Kingdom	5,141	3,017	1,586	2,164
Packing, Fabric—				
Austria	844	541	..	..
Canada	...	...	30	12
United Kingdom	100	136	..	..

ASBESTOS

	April 1929		April 1930	
Packing, not Fabric—	Pounds	Value	Pounds	Value
Austria	999	2,786	2,230	666
Canada	1,150	79	...	...
France	2,249	1,774	...	...
Germany	1,900	1,136	1,242	1,106
United Kingdom	5,847	1,998	17,831	6,598
Paper and Millboard—				
United Kingdom	40	76	...	...
Shingles and Slates of Asbestos Cement—				
Belgium	1,061,071	16,924	468,953	6,215
Canada	35,400	614	900	14
France	384,667	5,620	45,218	662
Germany	193,880	3,146	127,646	2,228
Netherlands	442,438	6,865	...	...
Yugoslavia	...	...	47,166	632
Lumber of Asbestos Cement—				
Belgium	...	..	15,402	744
Cuba	2,340	90	...	...
Italy	...	..	7,417	211
Other Manufactures—				
Canada	...	...	27	180
France	...	...	200	67
Germany	341	174	...	..
United Kingdom	2,809	1,409	...	..
Grand Total	*2,143,564*	*$47,732*	*736,000*	*$21,613*
Shingles, Slate, Wood and Lumber—By Districts.				
Florida	209,326	3,036	...	...
Galveston	160,406	2,396	92,593	1,250
Georgia	135,390	2,025	...	...
Maine and N. H.	35,400	614	...	...
Mobile	411,575	6,285	165,446	2,168
New York	44,918	908	22,819	955
New Orleans	809,347	11,840	374,506	5,688
Philadelphia	313,434	6,155	...	...
Sabine	...	...	56,438	631
St. Lawrence	...	...	900	14
Exports from U. S. A.	2,119,796	$33,259	712,702	$10,706

During March[1] 1930, 54 tons of Unmanufactured Asbestos were exported; there was no unmanufactured asbestos exported during the same month of the previous year.

Exports of Manufactured Asbestos Goods:

	March 1929[1]		March 1930[1]	
	Pounds	Value	Pounds	Value
Paper, Mlbd. & Rlbd...	269,848	$24,092	265,876	$10,973
Pipe Covg. & Cement..	594,739	30,938	679,195	66,358
Textiles, Yarn & Pkg..	174,524	89,011	150,881	84,303

[1]Exports one month behind Imports.

Brake & Clutch Lining	755,080[2]	134,520	581,938[2]	113,033
Asbestos Roofing	8,158[3]	45,390	4,217[3]	33,651
Magnesia & Mfrs. of...	579,625	35,507	1,078,612	74,345
Other Asb. Mfrs.....	526,499	56,538	426,523	43,354

[2]ll. ft. [3]sqs.

Exports of Raw Asbestos from Canada.

	April 1929 Tons (2000 lbs.)	April 1929 Value	April 1930 Tons (2000 lbs.)	April 1930 Value
United Kingdom	85	$ 13,125	305	26,100
United States	6,647	426,326	5,822	301,262
Australia	...	...	62	4,800
Belgium	852	53,990	370	17,924
France	75	8,625	520	33,650
Germany	200	26,300	152	30,319
Italy	260	19,475	300	32,550
Japan	1,217	64,650	322	17,948
Netherlands	33	4,125	66	2,970
	9,369	$616,616	7,919	$467,523
Sand and Waste—				
United Kingdom	90	2,187	200	4,687
United States	8,689	137,028	9,671	147,695
Belgium	..	...	50	750
France	40	1,000	...	...
Germany	..	...	30	750
Italy	..	...	60	1,350
Japan	..	...	30	625
Netherlands	..	...	85	2,125
	8,819	$140,215	10,126	$157,982
Grand Total	18,188	$756,831	18,045	$625,505

Imports and Exports by England.

Imports of Raw Material.	April 1929 Tons (2240 lbs.)	April 1929 Value	April 1930 Tons (2240 lbs.)	April 1930 Value
From Rhodesia	842	£35,298	705	£28,411
From Canada	277	7,201	245	5,760
From Other Countries	1,167	33,765	966	25,264
	2,286	£76,264	1,916	£59,435
Reshipments	96	4,698	55	2,610
Exports of Asbestos Manufacturers.				
To Netherlands	89	5,350	52	5,809
To France	31	5,576	70	6,689
To United States of America	4	1,173	8	1,630
To British India	989	18,160	907	15,360
To Australia	41	5,661	29	6,420
To Other Countries	1,574	63,522	1,704	80,142
	2,728	£99,442	2,770	£116,050

NEWS OF THE INDUSTRY

Birthdays. We have pleasure in congratulating this month, the following gentlemen on the occasion of their birthdays: Chester A. Middleton, Managing Director, Johns-Manville Corp. of Brazil, Sao Paulo, Brazil, on June 27th; L. B. Palmer-Ball, President, Palmer Asbestos & Rubber Corporation, Chicago, Ill., on June 29th; George L. Hammons, President, United States Asbestos Co. of Illinois, Chicago, Ill., July 4th; O. J. Garlock, President, Crandall Packing Co., Palmyra, N. Y., July 5th, and Charles S. Wood, President, Chas. S. Wood Co., Newark, N. J., July 6th.

Asbestos Corporation, Limited J. A. Marcotte and A. L. Penhale have been transferred to the Sales Department of the Company

Turner & Newall, Ltd. The directors of Turner and Newall, Ltd., have declared interim dividends of 3½% (actual) on the 7 per cent preference shares, and 5 per cent (actual) on the ordinary shares, both subject to tax, and payable June 20th. The interim dividend on the ordinary shares is thus increased to 5% as compared with 2½% last year, but the directors point out that such increase is made solely for the purpose of lessening the disproportion between the old interim and final dividends, and is not in any way to be considered as an indication that the total distribution for the year will be increased.

Keasbey & Mattison Company. Dr. R. V. Mattison, President, left for his summer home in Newport on June 5th.

Steynsdorp Chrysotile Co., Ltd. has been registered in Johannesburg, South Africa, as a private company with a capital of £6,000. S. Hedley Tarlton is Chairman; the Secretary's office is at 170 Stock Exchange, Johannesburg. The property is said to consist of chrysotile bearing claims situated on the farms Nooitgezien, Diepgezet and Kranskop in the Steynsdorp District. Development work is said to be in hand.

Turner & Newall, Ltd. Administrative offices are being opened in Willoughby's Buildings, Bulawayo, Rhodesia, to control the asbestos interests of Turner & Newall, Ltd., and those of the Rhodesian and General Asbestos Corporation, Ltd., which were recently amalgamated. These interests include the Rhodesian & Gen. Asb. Corp., Ltd., African Asbestos Mining Co., Ltd., New Amianthus Mines, Ltd., Dominion Blue Asbestos Mines (Pty.) Ltd., The Elands Valley Transport Co. (Pty.) Ltd. According to the South African Mining & Engineering Journal, the Rhodesian & General Asbestos Corporation, Ltd., will act as Managers for the group, with Roland Starkey (formerly General Manager of the Nil Desperandum Mine) as General Manager and Consulting Engineer, and T. J. Harrington as Secretary.

We are in the market for

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HARTFORD CONN.

In the market for large or small quantities of

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SCRAP CLOTH—YARN CUTTINGS
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Crudes and Fibres

Stocks of
all Grades

Cape Asbestos Company, Ltd. Sir Evelyn Wallers, K. B. E. has been appointed Chairman of this Company in succession to the late L. Breitmeyer.

Report of the Directors for the year ended December 31, 1929, has been issued, the annual meeting having been held on May 30th. Dividends paid for the full year have been 20% on the Preference Shares and 15% on the Ordinary Shares. No allocation has been made to the Reserve Fund. which stands at £150,000, and the carry forward has been increased from £12,322.0.2. to £13,705.1.3.

A copy of the Balance Sheet follows:

Assets

Cash at Bankers on Deposit and Current Accounts and in hand	£ 23,286	2	9
British Government Securities at cost	10,503	14	6
Investment at market price at 31st Dec. 1929	3,300	0	0
Bills Receivable	9,311	18	2
Sundry Debtors, less Reserves	31,988	3	4
Amount Due by Subsidiary Company	30,760	13	9
Holdings in Subsidiary Companies at cost	88,138	5	5
Freehold Land and Factory at Barking at cost less depr.	47,550	0	0
Freehold Land and Factory at Turin at cost less depr.	24,239	12	8
Asbestos Estates in South Africa at cost less depr.	38,053	11	8
Machinery, Plant, Buildings, Furniture, Live Stock, at cost, less depr.	14,192	10	0
Stock of Crude & Mfd. Asbestos and Stores	138,357	14	7
	£459,682	6	10

Liabilities

Capital Account, Authorized and Issued			
100,000 Ordinary shares of £1 each	£100,000	0	0
100,000 Cumulative 5% Participating Preference Shares of £1 each	100,000	0	0
Reserve Fund	150,000	0	0
Staff Benefit Fund	13,201	2	6
First Mortgages and Pur. consideration payable on property in South Africa	8,191	7	4
Bills Payable	1,592	16	2
Sundry Creditors	11,046	12	8
Provision for Income Tax and Contingencies	20,732	6	7
Amount Due to Subsidiary Company	3,214	0	4
Profit and Loss Account—Balance brt. forward from last year	12,322	0	2
Add Profit for the year 1929	39,382	1	1
	£459,682	6	10

James Walker & Company, the well known British manufacturers of asbestos and rubber mechanical goods have formed

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CRUDES — FIBRES — CEMENTS

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PLAIN AND METALLIC CLOTHS
BRAIDED AND WOVEN TAPES
BRAIDED TUBINGS
WOVEN SHEET PACKINGS
WOVEN BRAKE LININGS
GLOVES, MITTENS, LEGGINS
GASKETS, SEAMLESS AND JOINTED
PACKINGS, STEM AND HIGH PRESSURE
WICK AND ROPE

ASBESTOS FIBRE SPINNING COMPANY

NORTH WALES, — PENNA.

a new company under the title of James Walker & Co (Australasia) Ltd., with headquarters at Sydney, Australia, the first directors being G. H. Cook, W. J. Dixon and F. E. Hart.

The Asbestos Packing and Braiding Company, Ltd., has been registered at Sydney, Australia, with nominal capital of £25,000, as manufacturers of asbestos cotton, hemp, jute and other packing, canvas, hose, etc. The first directors are B. C. Clark, E. F. Rouse, T. Carrigan, and J. H. Duncan.

Griqualand Asbestos (South Africa). The Griqualand Development Company, in a circular issued to shareholders, states that the Compresser Plant and other machinery for the extensive development of the asbestos deposit and for the increase in production are approaching completion in England. The deposits are said to continue to open up excellently, both as to extent and persistence of high grade asbestos.

Chunes Asbestos (South Africa.) The quarterly report of this company states that the asbestos market, in common with other raw materials and products, has undergone a serious period of deflation. One of the Directors, L. Japhet, recently paid a flying visit to England and the Continent with a view to furthering the interests of the Company, appointing agents for the sale of the Company's fibre for Germany, Austria, Czecho-Slovakia, Belgium and Holland. This company is a producer of amosite asbestos.

New Nigel Asbestos Co. This company was registered as a public company on April 28th, with a nominal capital of £125,000 in 2/- shares, to acquire the assets of Nigel (Transvaal) Goldfields, and to carry on the business of miners, etc., including that of asbestos mining. According to a report in the Cape "Argus," the Nigel (Transvaal) Goldfields Co. recently circularized their shareholders to the effect that they had contracted to purchase a valuable asbestos property three miles south of the Soanesville Asbestos Mines in the Pilbarra District of West Australia.

Johns-Manville Corporation. Les Produits du Kieselguhr Francaise, the company which acts as J. M. sales agents in Paris, has changed its name to Johns-Manville Continental Corporation. Their territory covers France, Spain, Portugal and Italy as well as all the French, Spanish and Portuguese colonies.

A Southern Division has been established by the Johns-Manville Sales Corporation, with headquarters at New Orleans. J. M. Taylor, formerly sales manager, southern district, Western Division, was made division sales manager. The territory included in the new Division was previously a part of the Eastern and Western Divisions. It is made up of the entire states of Alabama, Florida, Georgia, Louisiana and Mississippi; all of Texas except El Paso County and all of Tennessee except a few towns in Claiborne County; parts of Arkansas, Kentucky, Missouri, North Carolina, South Carolina and a town in Virginia.

Mapeke Asbestos Mines Limited. The ordinary general meeting of the Mapeke Asbestos Mines, Ltd., was held on Tuesday, May 20, at Winchester House, Old Broad Street, E. C. 2,

London. Ernest Dutchman, the chairman of the Company presided. Mr. Dutchman discussed fully the status of the company, explained various items in the balance sheet, and particularly the reasons for the poor showing made by the Company during the past year.

Delay in getting the mill started in the properties in Southern Rhodesia, forced the company to use their reserves of working capital, when otherwise they would have had an income from the asbestos produced. The mill was expected to be operating in April, 1929; as a matter of fact, due to many reasons, over which the company had no control chief of which were the unusually wet season and the railroad strike, the mill actually began to operate in November.

The Chairman was very optimistic as to the future of the company. The mill is now working satisfactorily, the fibre is showing improvement, and the mine gives every indication of being up to if not beyond expectations. The mine produces chrysotile asbestos and is located near the Shabanie and Birthday Mines.

Printed copies of both the report of the meeting and the balance sheet are in the hands of "ASBESTOS."

Johns-Manville Corporation has purchased the assets and patents of the Stevens Sound Proofing Company of Chicago. The Stevens Company manufactures patented structural products for sound deadening in walls, floors and ceilings, and for the construction of anti-vibration platforms under machinery. Stevens systems have been widely used by well-known architects and engineers in broadcasting studios, schools and clubs.

Raybestos-Manhattan, Inc. Directors of this Company have authorized the purchase of additional equipment for the Manhattan Rubber Division to enlarge production by 300 per cent in the department, making asbestos moulded brake lining. Increased production facilities have been necessitated by increased orders from a large manufacturer of low priced automobiles.

Directors also authorized the purchase of additional equipment for manufacture of V type rubber belts for use as transmission drives in various types of industrial equipment. V type belts were formerly used only for driving automobile fans.

Raybestos-Manhattan, Inc., reported net earnings for the first quarter of 1930 of $490,975, equal to 67 cents per common share, compared with $912,700 in the first quarter last year.

Trademarks. "Federal" has been registered in England as the trade mark for linings and surfacing materials made wholly or principally of impregnated textile material for brakes and clutches, by Maurice Fitzgerald Bakewell, trading as M. F. Bakewell and Co., of London.

"Duoface" has been registered in the United States by the Asbestos Shingle, Slate & Sheathing Company of Ambler, Pa., for a fireproof covering for roofs,—roofing slates, shingles.

Chas. S. Wood, President, Chas. S. Wood & Co., of Newark, N. J., is gradually recovering from his serious illness following an operation. He is now able to be in his office at intervals for short periods.

WANTED
Carload, Less Carload, or Job Lots
Asbestos, Magnesia, Hair Felt, Silocel, Cork
STONE INDUSTRIAL EQUIP. CO.
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POSITION WANTED

Man with thoro knowledge of preparing Arizona, Rhodesian, South African Blue, and Amosite, Russian, Canadian crudes, and spinning fibres, is open for position; can design, construct, operate plant in every detail, using English method of preparing Asbestos, also manufacturing Asbestos plastic and liquid roofing compounds.

Address 5B-BN, "ASBESTOS."

FREIGHT LOADINGS

Loadings of revenue freight in 1930 compared with the two previous years follow:

	1930	1929	1928
January	3,349,424	3,571,455	3,448,895
February	3,505,962	3,766,136	3,590,742
March (5 weeks)	4,414,625	4,815,937	4,752,559
April	3,619,293	3,989,142	3,740,307
Week ended May 3	942,899	1,051,935	978,053
Week ended May 10	933,931	1,048,960	1,002,411
Week ended May 17	930,004	1,046,594	1,003,288
Week ended May 24	931,472	1,062,088	1,021,403
Total	18,627,610	20,352,247	19,537,658

PATENTS

Friction Facings, Process of Making. No. 1,754,343. Granted on April 15th to Edwin E. Waite, Framingham, Mass. Assignor to Multibestos Company, Walpole, Mass. Filed Jan. 16, 1929. Serial No. 333,031.

Described as a friction facing comprising a shaped body of unwoven felted asbestos fibre and a binder dissipated uniformly thruout said body and cured by heat, said facings also having a pulverized lubricating filler dissipated substantially uniformly thruout the body portion thereof.

Manufacture of Friction Bodies. No. 1,755,355. Granted on April 22nd, to Hans Kattwinkel, Coswig, Germany. Filed Oct. 14, 1926. Serial No. 141,590, and in Germany December 14, 1925.

Described as comprising the steps of intimately mixing loose Asbestos fibres with a solution of phenolic condensation product,

drying the mixture, pressing it into solid cakes, superposing a plurality of such cakes, pressing them together into the final shape of the body to be manufactured, and hardening the compressed mass under the influence of heat.

Brake Testing Apparatus. No. 1,756,666. Granted on April 29th, to Charles F. Smith, Quincy, Mass., assignor to Brake Synchrometer Co., Boston. Filed March 10, 1927. Serial No. 174,259. Description upon request.

Brake Shoe. No. 1,756,936. Granted on May 6th, to Vincent Bendix, Chicago, Ill., assignor to Bendix Brake Co., Chicago. Filed October 8, 1927. Serial No. 224,791.

Described as a metallic brake element having a friction lining including adjacent each side edge a metallic insert, each insert being welded to the edge of said element.

Clutch Facing. No. 1,757,089. Granted on May 6th, to Samuel P. Howe, Pine Valley, Clementon, N. J. Filed December 12, 1928. Serial No. 325,669. Renewed March 20, 1930.

Described as a clutch facing which consists of a fabric containing mica and asbestos fibre.

Friction Material. No. 1,757,408. Granted on May 6th, to Alfred L. Boegehold and Charles R. Short, Detroit, Mich., assignors to General Motors Research Corporation, Detroit, Mich. Filed Feb. 23, 1927. Serial No. 170,336.

Described as a method of making a brake lining consisting of using a fibrous base (asbestos fibre or asbestos and cotton) applying a metal to said base, heating the metal so as to cause it to flow into the interstices of the base and then pressing or rolling the product.

Heat Insulating Material. No. 1,757,470. Granted on May 6th, to George B. Peebles, Newark, N. J. Filed August 8, 1928. Serial No. 298,413.

Described as a fire resisting and heat insulating composition comprising the precipitated waste products from the manufacture of sodium compounds by the ammonia soda process with the addition of magnesium oxide and silicate of soda.

Heat Insulation. No. 1,757,479. Granted on May 6th, to Ernst Schmidt, Dantzig-Langfuhr and Eduard Dyckerhoff, Schloss Blumenau, near Wunstorf, Germany. Filed Feb. 25, 1928. Serial No. 257,099. And in Germany July 3, 1926.

Described as heat insulation for an object consisting of a sheet of paper or the like, having a bright metallic coating deposited thereon, and adapted to enclose the object so as to leave an air space between it and said sheet.

Friction and Heat Resisting Article. No. 1,758,055. Granted on May 13th, to William Nanfeldt, New Haven, Conn., assignor to Worldbestos Corp., New York City. Filed Nov. 6, 1925. Serial No. 67,399.

Described as a method of making asbestos material adapted for use in yarn manufacture and other uses, which comprises incorporating in asbestos containing pulp a binding agent and a material adapted to soften said asbestos containing pulp and thereafter forming the desired product therefrom.

THIS AND THAT

Business or pleasure trips may bring you into Philadelphia. If they do, we hope you will drop in to see us and have a chat, look over our exhibit of asbestos specimens, and get acquainted generally. Incidentally, you can tell us how much, or little, you like the magazine.

A Sales Manager of one of the Asbestos firms told his superiors that he "just had to have some advertising in "ASBESTOS." We wish all Sales Managers would do the same thing.

One inquirer this month asks for something on the romance of asbestos in connection with its historic development. Not a hard order to fill when we consider the innumerable ways in which asbestos promotes human happiness. For about 2000 years it has been right on the job, tho it is now used for possibly more prosaic uses than Kings' tablecloths.

It is suggested that the reader who asked for the name of the manufacturer of Candidax Packing, referred to *Canadax* Packing, which is made by Johns-Manville Corporation.

"Dad, you're a lucky man."

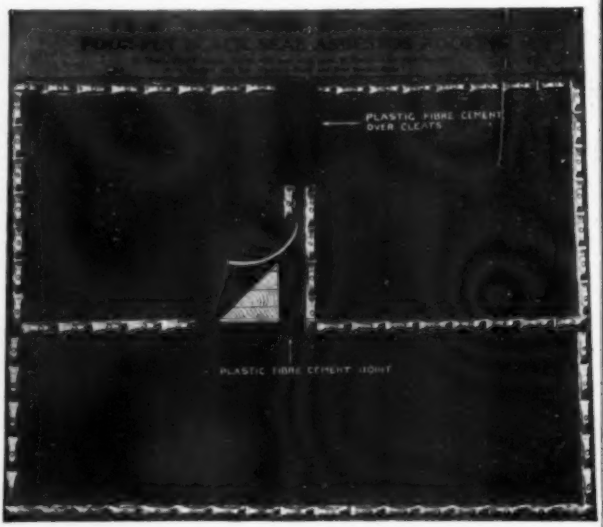
"How is that?

"You won't have to buy me any school books this year; I have been left in the same class."

Confidence invites success, and cheerfulness adds inducement.

The International Summer Meeting of the American Society of Heating & Ventilating Engineers, will be held from June 24th to 27th at Minneapolis, Minn.

Chile expects increasing demand for insulation materials, principally for refrigeration purposes, this according to U. S. Foreign Trade Notes No. 289.



CLASS "A" ROOFING

Four (4) Ply Black Seal Asbestos Roofing for use on Wood Decks with inclines of 3 in. fall to the foot or more. Ideal type of Roofing for saw-tooth construction. Used in connection with all types of Built-up Roofings of either Asbestos Felts, Asphalt Felts or Tarred Felts.

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